



GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY

Established 1941

Accredited by NAAC with Grade A

(2015)

73, Abinash Chandra Banerjee Lane

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West Bengal, India

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*Additional information regarding the
institutional perspective plan*

The college is under the administrative control of Higher Education Department, Government of West Bengal and is overseen by the Directorate of Technical Education. The institution follows West Bengal Service Rules and West Bengal Financial Rules. The college follows the rules set by the Government of West Bengal regarding the service rules. The appointment of faculty and staff recruitment is governed by the Public Service Commission (PSC) of the Government of West Bengal.

The college is under the Department of Technical Education, directly under the control of Higher Education Department, Government of West Bengal. The Department of Technical Education deploys Principal in the college and has direct administrative control over the college. Principal and the Governing Body are responsible for the primary decision making of the institution; followed by the subsequent departments and faculty members.

Governing Body: The Board of Governors of the college is constructed with a total fourteen members, out of which six of them are external members; with one of them chairing the board. The Principal is ExOfficio Member Secretary of the board. Other members of the board are the four Head of the Departments, one teacher representative, Controller of Examinations and Registrar.

Administrative Set Up: Principal and Registrar are the core of the administration within college, including financial matters. Principal puts forward the financial projects and grants received from the Higher Education Department to the Accounts Officer, who holds a major role in executing the financial aspects. The financial aspects are governed by the Financial Management Committee (FMC) of the Government. Principal, with the help from the Departmental Heads and the Administrative office and Accounts section executes the major administrative decisions.

Academic Set Up: Academic decision makings are primarily relying on the Statutory Committees such as Board of studies and Academic Council, followed by Departmental Heads, the IQAC Coordinator, and finally, Principal.

Other functional bodies: There are several other Statutory and NonStatutory Committees. Statutory Committees, such as Governing Body, Academic Council, Board of Studies and Finance committee are primarily involved in the primary decision making of the institute. Other Non Statutory Committees involve administrative, academic, Cultural and Sports and Placement, Training and Career Counseling aspects. Administrative issues, other than Grievance Redressals, are dealt by the Planning and Monitoring committee, College web site committee, Purchase committee, Scholarship committee and Green Campus committee. Academics matters are discussed with IQAC, Faculty council, Academic audit committee, Research committee, Library committee and College examination committee. NSS, Sports and Cultural Programmes are overlooked by the Cultural and Sports committee and Placement cells helps in Placement, Training and Internship of the students.

Service Rules, Procedures, Recruitment and Promotion Policies: All rules and regulations under West Bengal Service Rule (WBSR) are followed as the college is under direct administrative control of Higher Education Department, Government of West Bengal. Recruitment and Promotion Policies are guided by the Government of West Bengal following Revision of Pay and Allowance (ROPA), West Bengal.

Grievance Redressal Mechanisms: There are several committees in the college to take care of the Grievances from different stakeholders. The college holds Non Statutory Committees such as Discipline committee, Anti-ragging committee, Sexual harassment committee, Equal opportunity committee,

Grievance Redressal committee and Internal Complaint Committee. Principal of the college is the appellate authority in regard to RTI Act, 2005.

The institutional Strategic/Perspective plan is clearly articulated and implemented in areas of (1) Teaching and learning, (2) Research and development, (3) Community engagement, (4) Human Resource planning & development and (5) Industry interaction & Placement. The College always focuses on excelling in physical and academic ambience and infrastructural development.

Teaching and learning: Teaching-learning process is a multi-faceted concept comprising many conceptual, developmental, psychological and instrumental issues.

- The College always strives for excellence in teaching learning process which is reflected by the placement record of our graduates.
- The College has various learning resources like well-equipped library with access to lots of e-books and e-journals along with conventional books and journals. It has well equipped laboratories with sophisticated machineries and latest softwares.
- All class rooms are provided with multimedia projection facility for ICT enabled teaching learning methodologies. Apart from these, college also has five smart class rooms.
- Hi-speed internet connection is available in the laboratories helping students to expose themselves to information explosion around the world.
- A state-of-the-art language laboratory is present to enhance the communication skill of the students.
- The College also promotes interactive learning through study tours, industrial training, workshops and academic seminars.
- Project work in the final year course gives the students a new learning experience.
- Academic progress of the students are assessed through class tests, assignment etc.
- The College gives utmost emphasis on continuous evaluation system.
- The barriers of slow learners are addressed by the faculties in the form of remedial classes and laboratories.
- Apart from that, provisions are made for recording the online classes and provide the recording links to the students for repeated use. The AICTE based course curriculums are also directed towards dynamic restructuring the courses with an eye towards rapid industrial development.
- College has access to G-Suite. All academic activities such as taking classes, sharing documents to students, forwarding topic of assignments are aided by Google Classroom, apart from online and offline classes.

Research and development:

In-house research activities of the college are planned very systematically.

- There is a dedicated research committee in the College which helps encouraging a culture of research among teaching staff, research scholars and students.
- Teachers to take up sponsored research projects. They organize / attend conferences and seminars so as to get updated with the latest trends in research, methodologies used in their field/s of interest.
- Publication of research findings and presentation of research paper in national and international conferences is common practice of faculty members.

- Final year project works of UG and PG students are taken up by faculty members either independently or in form of collaborative works with industry, research laboratories, other academic institutes
- College also publishes a research journal “Scientific Voyage” to encourage research activities among students and faculties. The journal publishes four issues in a year.

Community engagement:

- The NSS unit of the college is very active in community engagement programmes like tree plantation, road rally on hygiene, environment awareness camps etc.
- Observation of world environmental day with the neighboring school children, computer literacy among the local people is also practiced.
- Camps on fly ash brick preparation, ceramic pottery for skilled labourers have been undertaken by the College from time to time.
- Showing fly ash brick preparation process to the skilled labour, ceramic pottery awareness is some other community engagement programme undertaken by the College from time to time.
- College holds in-campus eye camp for students, faculties and neighboring people. College holds yoga classes for students, faculties and college staff.
- College holds self defense classes (karate) for girl students and neighboring girls.
- The college alumni association frequently conducts homeopathy camps within college premises as community development programme.
- Apart from these community engagement programmes, different environmental and green energy plans are also encouraged among all. These include energy saving plans such as installation of solar panels, awareness campaigning by installing displays written with ‘save water’ all over the campus are also parts of green environment initiatives.

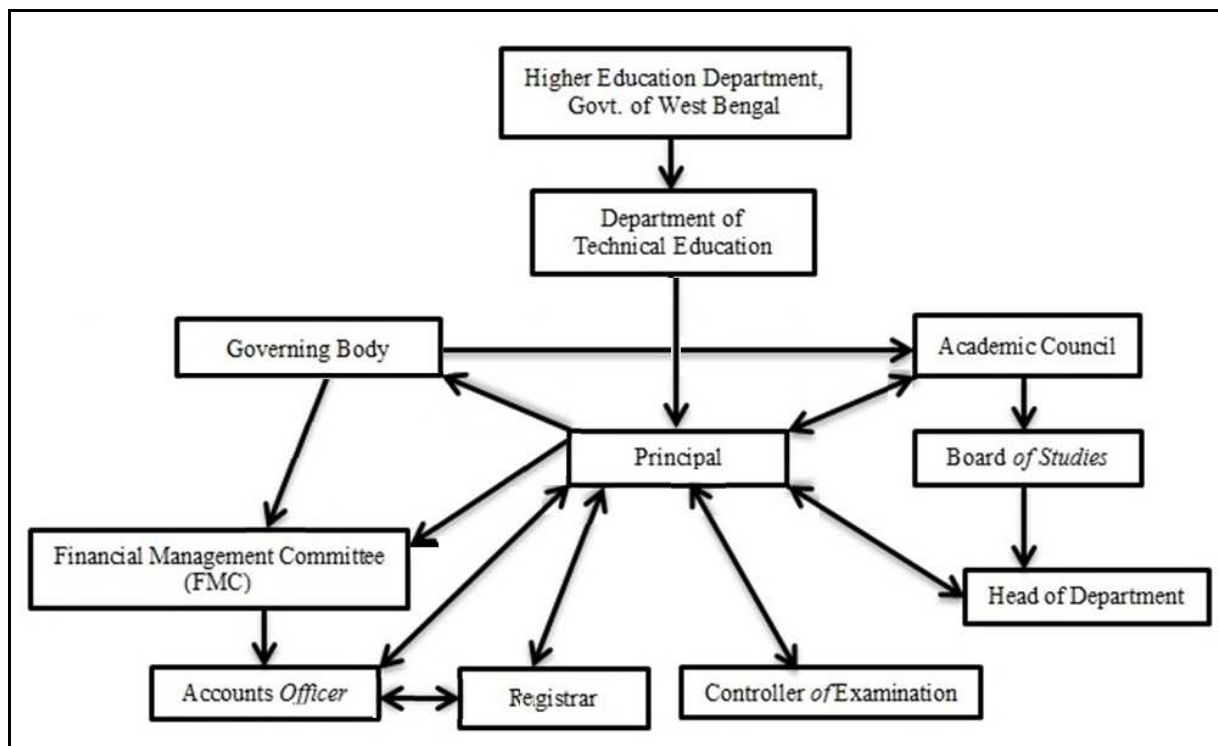
Human resource planning and development:

- The College endeavors in the development of its highest human resource, i.e., students, by providing high class learning environment, offering world class course curricula, latest infrastructural facilities. The students are exposed to industrial problems, so that they know the kind of situation they may find in their service life. They are encouraged to take challenges, represent themselves as a responsible citizen in the society.
- Faculties are provided with career advancement scheme (CAS) as per rules of Govt. of West Bengal for their career development.

Industry interaction and Placement:

- The College has developed an Industry Institute Cell which keeps a close liaison with the industries.
- The Placement Cell also has a strong industry linkage which leads to substantial placement of the students from the campus. Students are also exposed to industry training as a part of their course curricula.
- Some students undertake industry project as their student project.

Industrial experts are frequently invited to the college to deliver lectures on their work experiences which help improve the understanding of the students about the industry. These efforts are reflected from the high impressive placement records achieved every year during the campus interview process.



Organogram of the institute

“Scientific Voyage”

College Journal

(Link to College Journal: <http://scientificvoyage.net/index.php/sv>)



Welcome!

Being one of the most sought after Higher Education Institutions in India, Government College Of Engineering & Ceramic Technology takes pride in introducing a journal named **SCIENTIFIC VOYAGE** that throws light on significant areas in Science, Engineering, Management and Technology. The journal enables publication of pre-eminent research work by Researchers, Academicians, and Scientists pertaining to varied disciplines.

Government College of Engineering & Ceramic Technology was established in 1941 by Professor Sasadhar Ray who was an eminent educationist and the first Principal of the college. At that time the college was named as Bengal Ceramic Institute Calcutta, which later on flowered into College of Ceramic Technology. Professor Ray was one of the pioneers in spreading ceramic education in India. He obtained his M.Sc. degree in Physics in 1930, as a student of Prof. Satyendranath Bose, from the University of Dacca having been placed first in Class. He was a research scholar under Prof. K. S. Krishnan-F.R.S. in the Indian Association for the Cultivation of Science and served as a supervisor in Peripatetic Demonstration for Scheme of the Govt. of Bengal to popularize the ceramic manufacturing processes in the villages. He also worked for a brief period in the Industrial Research Laboratory, Dept. of Industries, Government of West Bengal.

The college started with certificate and diploma courses in Ceramic Technology with six other different courses to train people for various ceramic industries in the eastern and other regions of India. Prof. Roy organized a commercial Training- cum- Production unit at the institute to provide employment through practical training to the students. He formulated many developmental schemes with their successful implementation and introduced the concept of self-employment in the institute to cope with the problem of growing unemployment in the country. He was the pioneer in India to manufacture bone chinawares using indigenous raw materials on commercial basis and glazed pottery, sanitary wares, tiles and low-tension insulators from Gangetic silt. His contribution to ceramic education and industry has gone far and near within India and round the globe.

In the year 1962, B. Sc (Tech.) degree course in Ceramic Technology under the University of Calcutta was introduced in the institute, which was then renamed as College of Ceramic Technology and was undertaken by the Govt. of West Bengal. At that time more emphasis was given on Traditional Ceramics. Traditional consists of pottery including materials, cement, etc. and traditional glasses for windows and containers/bottles including crystal glasses and of course the infamous optical glasses for our eyes and cameras.

Then came Dr. B. N. Samaddar as the Principal of the College, who was trained in MIT, USA. He brought a sophisticated touch of modern ceramics like Nuclear Ceramics, Space Ceramics, Electronic and Magnetic Ceramics, Bio-Ceramics, Piezoelectrics and Ferroelectrics by continuous enriching the courses with a strong emphasis on Materials Science.

This college has seen the addition of two new B.Tech courses in Information Technology and Computer Science & Engineering which was initiated under the West Bengal University of Technology in the year 2000 and 2001 as well as the M.Tech course in Ceramic Technology which was introduced in the year 2006. The B.Tech and M.Tech courses of Ceramic Technology and the B.Tech course in Information Technology has already been accredited by the National Board of Accreditation (NBA). The institute has also recently gained approval from AICTE to begin the M. Tech. course in Information Technology.

Information

For Readers

For Authors

For Librarians

Contact

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